

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet
Spring 2015 Levee Inspection Results****Reclamation District No. 0554 Walnut Grove**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0554 Walnut Grove

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	1.13
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/29/2015 - 04/29/2015			
DWR Inspector	Herman Phillips			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	3		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD0554_01_f_2014_3						
Action/Comments							
Inspector Comments: The district is prepared to partner with neighboring districts as in the past.							

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0554_01_f_2014_35				
Action/Comments					
Inspector Comments: The district has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	36
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0554_01_f_2014_36				
Action/Comments					
Inspector Comments: The district shares with neighboring district, RD 551.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.02	Rating **	M	Issue No.	139
LM End	0.02	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249553 °	38.249553 °
				-121.509954 °	-121.509954 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43726 DS_ID:18976 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify status of crossing with town of Locke. FIELD_STRUCT_DESC: Waterline of unknown diameter through the levee at unknown depth. Likely a 1 or 2-inch galvanized iron pipe. Crosses levee just south of concrete block pumphouse on WS shoulder and terminates at well house off LS toe. Gatevalve next to corner of pumphouse off LS toe. Drawings depicting approximate location available in PN: 12944. FS Date: 03/04/2015					

No Photos

LM Start	0.02	Rating **	U	Issue No.	140
LM End	0.02	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249538 °	38.249538 °
				-121.509959 °	-121.509959 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43690 DS_ID:20915 EP_NO: 3360 Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers found. Need to contact owner to determine status of crossing. Recommend having owner install markers per CVFPB Title 23 for active pressure line. Owner will need to coordinate with CVFPB. FIELD_STRUCT_DESC: Gas line along and through the levee, 3.5 feet below the crown. (Permit No. 3360-1962) FS Date: 03/04/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.03	Rating **	A	Issue No.	128
LM End	0.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.249393 °	38.248120 °
				-121.510040 °	-121.509928 °
DWR ID	DWR_RD0554_01_s_2015_128				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.03	Rating **	U	Issue No.	127
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.249393 °	38.247823 °
				-121.510040 °	-121.509945 °
DWR ID	DWR_RD0554_01_s_2015_127				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0554_176_127_20150603_00139.jpg



View looking downstream from the waterside shoulder.

LM Start	0.06	Rating **	U	Issue No.	141
LM End	0.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.248643 °	38.248643 °
				-121.509850 °	-121.509850 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42146 DS_ID:20946 EP_NO: 5607 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: No markers. Valves abandoned on landward side--need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: Abandoned three 4-inch steel petroleum pipes through the levee, 22.5 feet below the crown. Pipes placed in 8-inch pipe casing through the levee and plugged with concrete. Abandoned under Permit No. 5607 (1966). FS Date: 03/12/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.10	Rating **	U	Issue No.	11
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.248262 °	38.248262 °
				-121.509901 °	-121.509901 °
DWR ID	DWR_RD0554_01_s _ 2014_11				
Action/Comments					
Note and monitor erosion site. Inspector Comments: This is not a new erosion site, repairs are needed. One tree has fallen into the Sacramento River at the erosion site.					

Photo 1 of 1 : SP_2015_RD0554_176_11_20150603_00138.jpg



Erosion on waterside toe.

LM Start	0.15	Rating **	M	Issue No.	129
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247630 °	38.247137 °
				-121.509970 °	-121.510095 °
DWR ID	DWR_RD0554_01_s _ 2015_129				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.25	Rating **	M	Issue No.	142
LM End	0.25	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.246093 °	38.246093 °
				-121.510731 °	-121.510731 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:32018 DS_ID:20897 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine status of crossing--was crossing removed during erosion repair site in 2007-2009? Need to coordinate with LMA or owner to obtain additional information about crossing. FIELD_STRUCT_DESC: Inactive 6-inch pipe through the levee, 1.0-foot below the crown. Concrete pump pad on the waterward slope. O+M manual entry at RM 27.00, 1959. FS Date: 03/12/2014					

LM Start	0.26	Rating **	M	Issue No.	2
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.246222 °	38.245017 °
				-121.510878 °	-121.511740 °
DWR ID	DWR_RD0554_01 f_2014_2				

Action/Comments					
Inspector Comments: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013: Short vertical sections at bank toe. [2013 Site ID: SAC_27-0_L]					

Photo 1 of 2 : SP_2015_RD0554_176_2_20150312_00001.jpg



USACE 2013 Photo #1

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.26	Rating **	M	Issue No.	2 (cont)	
LM End	0.36	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	USACE Erosion Survey			38.246222 °	38.245017 °	
				-121.510878 °	-121.511740 °	
DWR ID	DWR_RD0554_01_f_2014_2					
Action/Comments						
Inspector Comments: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013: Short vertical sections at bank toe. [2013 Site ID: SAC_27-0_L]						

Photo 2 of 2 : SP_2015_RD0554_176_2_20150312_00002.jpg



USACE 2013 Photo #2

LM Start	0.29	Rating **	U	Issue No.	132
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.245737 °	38.245438 °
				-121.511025 °	-121.511225 °
DWR ID	DWR_RD0554_01_s_2015_132				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the vegetation from the slope.					

Photo 1 of 1 : SP_2015_RD0554_176_132_20150603_00140.jpg



Looking downstream waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.31	Rating **	U	Issue No.	143
LM End	0.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245295 °	38.245295 °
				-121.511274 °	-121.511274 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42143 DS_ID:20922 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: No markers found. Need to contact owner to determine status of crossing. Unable to confirm if crossings are still active or if they cross levee. FIELD_STRUCT_DESC: 1 of 3: 3-inch steel fuel line through the levee, 2.7 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 27.20). FS Date: 03/12/2014					

No Photos

LM Start	0.31	Rating **	U	Issue No.	144
LM End	0.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245295 °	38.245295 °
				-121.511274 °	-121.511274 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42144 DS_ID:20932 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: No markers found. Need to contact owner to determine status of crossing. Unable to confirm if crossings are still active or if they cross levee. FIELD_STRUCT_DESC: 2 of 3: 3-inch steel fuel line through the levee, 2.7 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 27.20). FS Date: 03/12/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.31	Rating **	U	Issue No.	145
LM End	0.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245295 °	38.245295 °
				-121.511274 °	-121.511274 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42145 DS_ID:20933 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: No markers. Need to contact owner to determine status of crossing. Unable to confirm if crossings are still active or if they cross levee. FIELD_STRUCT_DESC: 3 of 3: 3-inch steel fuel line through the levee, 2.7 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 27.20). FS Date: 03/12/2014					

LM Start	0.32	Rating **	U	Issue No.	13
LM End	0.32	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.245389 °	38.245389 °
				-121.511085 °	-121.511085 °
DWR ID	DWR_RD0554_01_s_2014_13				

Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: This erosion along the slope need to be repaired before rainy season.					

Photo 1 of 2 : SP_2015_RD0554_176_13_20150312_00006.jpg



Bank caving along the landward levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.32	Rating **	U	Issue No.	13 (cont)	
LM End	0.32	Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.245389 °	38.245389 °	
				-121.511085 °	-121.511085 °	
DWR ID	DWR_RD0554_01_s_2014_13					
Action/Comments						
Schedule repair of erosion site prior to the next inspection. Inspector Comments: This erosion along the slope need to be repaired before rainy season.						

Photo 2 of 2 : SP_2015_RD0554_176_13_20150312_00007.jpg



Another view of the issue.

LM Start	0.33	Rating **	M	Issue No.	146
LM End	0.33	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245038 °	38.245038 °
				-121.511473 °	-121.511473 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43694 DS_ID:20899 EP_NO: 5429 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Signs of open cut along crossing--no markers visible on waterward or landward side. Large across channel on right bank berm indicating cable through levee. FIELD_STRUCT_DESC: Four 4-inch iron conduits through the levee, at various depths below the crown (3.0-4.9 feet). Each conduit encases a shielded telephone cable. Concrete cutoff wall around pipes on landward levee shoulder. Riser pole off the landward levee toe. (Permit No. 5429-1967) Replacement telephone conduits were pulled through iron conduits under Permit No. 13417 (1983). FS Date: 03/04/2015					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.50	Rating **	M	Issue No.	147
LM End	0.50	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243057 °	38.243057 °
				-121.513236 °	-121.513236 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:43734 DS_ID:20901 EP_NO: 11155 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status. FIELD_STRUCT_DESC: 1 of 3: 6-inch pipe through the levee, 5.5 feet below the crown. Pipe retained under ABO No. 11155 (1975). Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp. FS Date: 03/12/2014					

LM Start	0.50	Rating **	M	Issue No.	148
LM End	0.50	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243057 °	38.243057 °
				-121.513236 °	-121.513236 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:43735 DS_ID:20937 EP_NO: 11155 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status. FIELD_STRUCT_DESC: 2 of 3: 6-inch pipe through the levee, 5.5 feet below the crown. Pipe retained under ABO No. 11155 (1975). Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp. FS Date: 03/05/2015					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.50	Rating **	M	Issue No.	149
LM End	0.50	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243057 °	38.243057 °
				-121.513236 °	-121.513236 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43736 DS_ID:20938 EP_NO: 11155 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status. FIELD_STRUCT_DESC: 3 of 3: 6-inch pipe through the levee, 10.5 feet below the crown. Pipe retained under ABO No. 11155 (1975).Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp. FS Date: 03/05/2015					

No Photos

LM Start	0.58	Rating **	M	Issue No.	150
LM End	0.58	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242101 °	38.242101 °
				-121.514086 °	-121.514086 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32020 DS_ID:20912 EP_NO: 11154 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if this pipe section is the same one listed under 11154. Need to contact owner to determine status and obtain additional information about crossing. FIELD_STRUCT_DESC: 8-inch pipe through the levee, 9.8 feet below the crown. Pump on LS toe. Included in O+M manual at RM 26.66. Pipe retained under ABO No. 11154 (1975). FS Date: 03/12/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.63	Rating **	M	Issue No.	151
LM End	0.63	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241550 °	38.241550 °
				-121.514535 °	-121.514535 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43805 DS_ID:25080 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit found. Further investigation required. FIELD_STRUCT_DESC: 4-inch Cast iron Sewer pipe through the levee at an unknown depth. Pipe visible on bridge. Sewer cleanout on WS shoulder and cut in pavement visible in roadway. FS Date: 03/05/2015					

No Photos

LM Start	0.65	Rating **	A/W	Issue No.	4
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241503 °	38.239527 °
				-121.514579 °	-121.516441 °
DWR ID	DWR_RD0554_01_s_2012_4				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	0.75	Rating **	M	Issue No.	5
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240332 °	38.240166 °
				-121.515786 °	-121.515952 °
DWR ID	DWR_RD0554_01_f_2013_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.77	Rating **	U	Issue No.	134
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240033 °	38.239227 °
				-121.515998 °	-121.516745 °
DWR ID	DWR_RD0554_01_s _ 2015_134				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control the unacceptable weeds on the waterside slope.					

Photo 1 of 1 : SP_2015_RD0554_176_134_20150603_00141.jpg



View looking downstream at the waterside slope.

LM Start	0.87	Rating **	M	Issue No.	152
LM End	0.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238595 °	38.238595 °
				-121.516945 °	-121.516945 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32021					
DS_ID:20941					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm how many sewer lines cross levee.					
Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner to confirm status of crossing.					
FIELD_STRUCT_DESC: 1 of 2: 4-inch clay sewer pipe through the levee, 10.2 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.50).					
FS Date: 03/12/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.87	Rating **	M	Issue No.	153
LM End	0.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238595 °	38.238595 °
				-121.516945 °	-121.516945 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32022					
DS_ID:20942					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm how many sewer lines cross levee.					
Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner					
to confirm status of crossing.					
FIELD_STRUCT_DESC: 2 of 2: 4-inch clay sewer pipe through the					
levee, 10.2 feet below the crown. (USACE-1959). This entry matches					
the Drainage or Irrigation Structure referenced in O&M manual (RM					
26.50).					
FS Date: 03/12/2014					

No Photos

LM Start	0.88	Rating **	M	Issue No.	154
LM End	0.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238510 °	38.238510 °
				-121.516948 °	-121.516948 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43804 DS_ID:25081 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No permit identified for crossing. Further investigation required. FIELD_STRUCT_DESC: 6-inch Sewer pipe through the levee at an unknown depth. USAA markings on pavement indicate crossing at center of ramp on LS slope. FS Date: 03/05/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

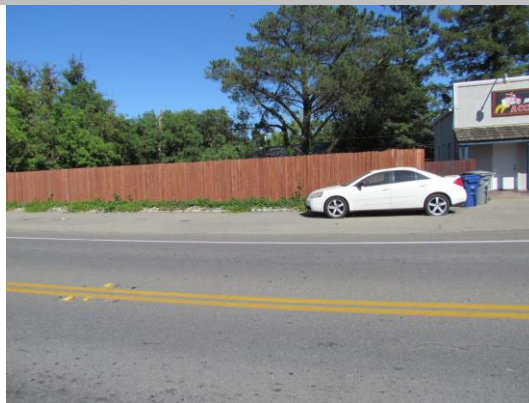
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.88	Rating **	M	Issue No.	10
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238619 °	38.237930 °
				-121.516862 °	-121.516812 °
DWR ID	DWR_RD0554_01_s_2014_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: There are young trees along the landside levee slope that need to be removed and some need to be trimmed that are blocking visibility or access to the levee section.					

No Photos

LM Start	0.89	Rating **	U	Issue No.	1
LM End	0.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.238326 °	38.238326 °
				-121.516940 °	-121.516940 °
DWR ID	DWR_RD0554_01_s_2015_1				
Action/Comments					
Fence					
Inspector Comments: No permit for this encroachment.					

Photo 1 of 1 : SP_2015_RD0554_176_1_20150603_00142.jpg



Unauthorized wooden fence on the landside shoulder.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.90	Rating **	U	Issue No.	155
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238126 °	38.238126 °
				-121.516908 °	-121.516908 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43806 DS_ID:20943 EP_NO: 2321 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Pipe leak at landside toe 23-ft upstream from pumphouse on LS toe. FIELD_STRUCT_DESC: 1.0-inch steel domestic water pipe through the levee, 1.5 feet below the crown. Shut off valve on the waterward side and at the pumphouse downstream 170-feet on LS toe. (Permit No. 2321-1957). Pump in pumphouse on LS toe. an additional 1.5-inch galvanized iron drinking water pipe runs from pumphouse along LS toe parallel to levee. FS Date: 03/05/2015					

No Photos

LM Start	0.99	Rating **	M	Issue No.	6
LM End	0.99	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.237108 °	38.237108 °
				-121.516743 °	-121.516743 °
DWR ID	DWR_RD0554_01_s _ 2012_6				
Action/Comments					
Building					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	1.02	Rating **	M	Issue No.	137
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236650 °	38.236298 °
				-121.516825 °	-121.516850 °
DWR ID	DWR_RD0554_01_s_2015_137				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.03	Rating **	M	Issue No.	138
LM End	1.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236500 °	38.236298 °
				-121.516810 °	-121.516850 °
DWR ID	DWR_RD0554_01_s_2015_138				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.07	Rating **	M	Issue No.	156
LM End	1.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235743 °	38.235743 °
				-121.517032 °	-121.517032 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43810					
DS_ID:25083					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for crossing. Further investigation required.					
FIELD_STRUCT_DESC: Two 1-inch conduits through the levee 1-foot below the crown. Valves appear to be installed on LS shoulder. Dock on WS slope.					
FS Date: 03/05/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	1.09	Rating **	M	Issue No.	157
LM End	1.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235429 °	38.235429 °
				-121.517169 °	-121.517169 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43747 DS_ID:20930 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. Pipe was visible just upstream of other pipe that was exposed for repair on WS slope. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 3.7-feet below the crown. Pump on waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.10). Pipe burried/abandoned in place. FS Date: 03/05/2015					

No Photos

LM Start	1.09	Rating **	M	Issue No.	158
LM End	1.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235422 °	38.235422 °
				-121.517172 °	-121.517172 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43748 DS_ID:20911 EP_NO: 5023 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe in open trench on WS slope and exposed on LS shoulder. Pipe repair on WS may indicate problem with pipe. Pipe missing air releif valve on LS shoulder. Distribution box on LS toe abandoned. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.4 feet below the crown. Cutoff wall around center of pipe. Air-relief valve on landward levee shoulder. Pump on waterward slope. Concrete distribution box on LS toe (Permit No. 5023-1965). FS Date: 03/05/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	04/29/2015 04/29/2015	Herman Phillips

LM Start	1.11	Rating **	U	Issue No.	16
LM End	1.11	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.235422 °	38.235422 °
				-121.517233 °	-121.517233 °
DWR ID	DWR_RD0554_01_s_2014_16				
Action/Comments					
Pipe Inspector Comments: Unauthorized pipe repair done without CVFPB permit.					

Photo 1 of 3 : SP_2015_RD0554_176_16_20150312_00008.jpg



Uncovered pipe section on the landward toe levee mile 1.09. Photo taken 06-05-2014.

LM Start	1.11	Rating **	U	Issue No.	16 (cont)
LM End	1.11	Issue Type +	En	Location *	N/A

Photo 2 of 3 : SP_2015_RD0554_176_16_20150312_00009.jpg



Another view of the unauthorized pipe repair viewed from landside shoulder. 06-05-2014.

LM Start	1.11	Rating **	U	Issue No.	16 (cont)
LM End	1.11	Issue Type +	En	Location *	N/A

Photo 3 of 3 : SP_2015_RD0554_176_16_20150312_00010.jpg



Waterside view of the unauthorized pipe repair, new pump shown in picture. Photo taken 06-05-2014.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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